

Title (en)
PROCESS FOR FORMING IRON ENRICHED NUTRITIONAL PRODUCTS

Title (de)
VERFAHREN ZUR HERSTELLUNG VON MIT EISEN ANGEREICHERTEM ERNÄHRUNGSPRODUKTEN

Title (fr)
PROCÉDÉ DE FORMATION DE PRODUITS NUTRITIONNELS ENRICHIS EN FER

Publication
EP 3462915 A4 20190410 (EN)

Application
EP 16903371 A 20160601

Priority
AU 2016000188 W 20160601

Abstract (en)
[origin: WO2017205890A1] The technology relates to a process for forming a nutritional supplement containing iron by providing a culture medium containing insoluble iron and culturing filamentous fungi in the culture medium to accumulate iron in the filamentous fungi as metabolizable organic iron. The technology also relates to uses of the nutritional supplement as food additive or supplement.

IPC 8 full level
A23K 10/16 (2016.01); **A23K 20/20** (2016.01); **A23L 11/00** (2016.01); **A23L 31/00** (2016.01); **A23L 31/15** (2016.01); **A23L 33/16** (2016.01); **A23L 33/165** (2016.01); **C12N 1/14** (2006.01); **C12P 1/02** (2006.01)

CPC (source: EP KR US)
A23K 10/12 (2016.05 - US); **A23K 10/16** (2016.05 - EP KR US); **A23K 20/30** (2016.05 - EP KR US); **A23L 11/50** (2021.01 - EP US); **A23L 31/00** (2016.07 - EP US); **A23L 31/15** (2016.07 - US); **A23L 33/135** (2016.07 - KR); **A23L 33/16** (2016.07 - EP KR US); **A23L 33/165** (2016.07 - US); **C12N 1/14** (2013.01 - EP KR US); **C12N 1/16** (2013.01 - US); **C12P 1/02** (2013.01 - EP KR US); **A23V 2002/00** (2013.01 - US); **A23V 2250/1592** (2013.01 - US)

Citation (search report)
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• [A] US 2009124572 A1 20090514 - NELSON DEANNA JEAN [US]
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• [XY] M. M. W. ETSCHMANN ET AL: "Improving 2-phenylethanol and 6-pentyl- [alpha] -pyrone production with fungi by microparticle-enhanced cultivation (MPEC) : Microparticle-enhanced cultivation for flavour production in fungi", YEAST, 1 July 2014 (2014-07-01), GB, pages n/a - n/a, XP055546241, ISSN: 0749-503X, DOI: 10.1002/yea.3022
• [A] DATABASE BIOSIS [online] BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; 1978, BARTHAKUR H P: "SOLUBILIZATION OF RELATIVELY INSOLUBLE PHOSPHATE BY SOME FUNGI ISOLATED FROM THE RHIZOSPHERE OF RICE", XP002788277, Database accession no. PREV197967044850 & INDIAN JOURNAL OF AGRICULTURAL SCIENCES, vol. 48, no. 12, 1978, pages 762 - 766, ISSN: 0019-5022
• See references of WO 2017205890A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2017205890 A1 20171207; **WO 2017205890 A8 20181227**; AU 2016409494 A1 20180913; AU 2016409494 B2 20180927; BR 112018074714 A2 20190312; BR 112018074714 B1 20220906; BR 112018074714 B8 20220927; CA 3026029 A1 20171207; CA 3026029 C 20220809; CN 109561722 A 20190402; CN 109561722 B 20221011; EP 3462915 A1 20190410; EP 3462915 A4 20190410; EP 3462915 B1 20210414; JP 2019517264 A 20190624; JP 6904594 B2 20210721; KR 20190013994 A 20190211; MX 2018014617 A 20190515; US 2019297916 A1 20191003

DOCDB simple family (application)
AU 2016000188 W 20160601; AU 2016409494 A 20160601; BR 112018074714 A 20160601; CA 3026029 A 20160601; CN 201680086320 A 20160601; EP 16903371 A 20160601; JP 2018563503 A 20160601; KR 20187038118 A 20160601; MX 2018014617 A 20160601; US 201616303106 A 20160601